

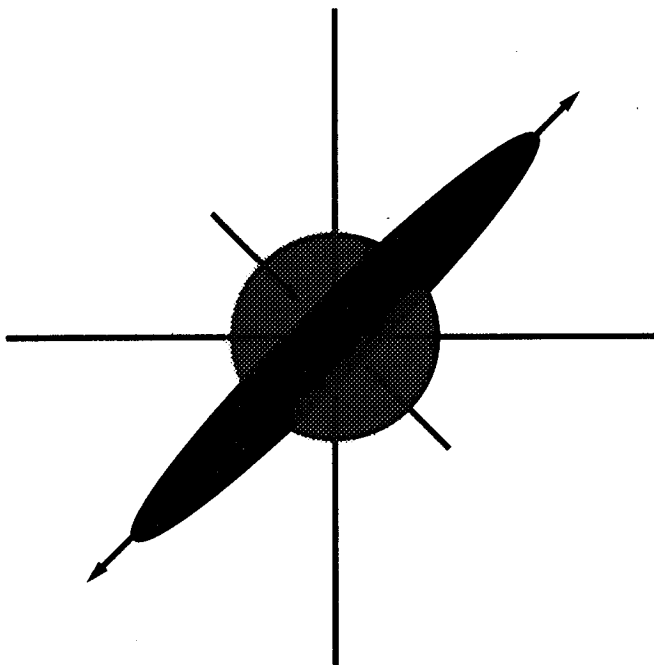
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Fifth International Conference on Squeezed States and Uncertainty Relations

D. Han, J. Janszky, Y.S. Kim, and V.I. Man'ko, Editors

*Proceedings of a conference held at
Balatonfüred, Hungary
May 27-31, 1997*



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13. ABSTRACT (Maximum 200 words) The Fifth International Conference on Squeezed States and Uncertainty Relations was held at Balatonfured, Hungary, on 27-31 May 1997. This series was initiated in 1991 at the College Park Campus of the University of Maryland as the Workshop on Squeezed States and Uncertainty Relations. The scientific purpose of this series was to discuss squeezed states of light, but in recent years the scope is becoming broad enough to include studies of uncertainty relations and squeeze transformations in all branches of physics including quantum optics and foundations of quantum mechanics. Quantum optics will continue playing the pivotal role in the future, but the future meetings will include all branches of physics where squeeze transformations are basic transformation. As the meeting attracted more participants and started covering more diversified subjects, the fourth meeting was called an international conference. The Fourth International Conference on Squeezed States and Uncertainty Relations was held in 1995 was hosted by Shanxi University in Taiyuan, China. The fifth meeting of this series, which was held at Balatonfured, Hungary, was also supported by the IUPAP. In 1999, the Sixth International Conference will be hosted by the University of Naples in 1999. The meeting will take place in Ravello near Naples.				
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PREFACE

The fifth International Conference on Squeezed States and Uncertainty Relations was held at Balatonfüred, Hungary, on 27–31 May 1997. In this edition of the proceedings, we allocated six pages for every participant. As a result, young participants had the same page allocation as their senior colleagues. We hope to keep this tradition in order to encourage more young physicists to come to future meetings of this conference.

This series was initiated in 1991 at the College Park Campus of the University of Maryland as the Workshop on Squeezed States and Uncertainty Relations. The Second Workshop was hosted in 1992 by the Lebedev Physical Institute of the Academy of Science of the U.S.S.R in Moscow. The third meeting of this series was held in 1993 at the Baltimore County Campus of the University of Maryland in Catonsville, Maryland, U.S.A.:

As the meeting attracted more participants and started covering more diversified subjects, the fourth meeting was called an international conference. The Fourth International Conference on Squeezed States and Uncertainty Relations was held in 1995 was hosted by Shanxi University in Taiyuan, China. This Conference was sponsored by the International Union of Pure and Applied Physics. The fifth meeting of this series, which was held at Balatonfüred, Hungary, was also supported by the IUPAP.

In 1999, the Sixth International Conference will be hosted by the University of Naples in 1999. The meeting will take place in Ravello near Naples. For the fifth meeting which was held in Hungary, we are happy to acknowledge financial and other forms of supports provided by the following agencies and institutions.

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I. Squeezed States

